

PAT-NO: JP411047737A
DOCUMENT-IDENTIFIER: JP 11047737 A
TITLE: CERAMIC WATER ACTIVATION DEVICE
PUBN-DATE: February 23, 1999

INVENTOR-INFORMATION:
NAME
IMANISHI, TADAO

ASSIGNEE-INFORMATION:
NAME SHINEI SANGYO KK COUNTRY N/A

APPL-NO: JP09240179
APPL-DATE: July 31, 1997

INT-CL (IPC): C02F001/30

ABSTRACT:

PROBLEM TO BE SOLVED: To improve a water activation function without the generation of stagnation by a method in which, corresponding to the amount of raw water to be treated, at least two lines of hollow cylinders are formed in a water activation device, at least two pieces of a ceramic material are packed into the cylinder in a line in the water flow direction.

SOLUTION: In a water activation device 3 for ceramic treatment, raw water is supplied from a raw water supply port 1, after being dispersed by a porous plate 5, introduced into ceramic units 7, and brought into contact with a ceramic material 6 packed in the units 7, After that, again behind treated water discharge side porous plates 2-5, water ceramic-treated in each ceramic

unit 7 is combined, and discharged from a treated water discharge opening 2.

The connection number of the ceramic units 7 is made proportional to the amount

of treated water and not restricted in particular. In this way, by packing the

ceramic material 6 into the ceramic units 7 as a water activation device, water

to be treated is made to flow uniformly in each unit 7.

COPYRIGHT: (C)1999,JPO

3

- 11-1 原水側バネ
11-2 処理水側バネ

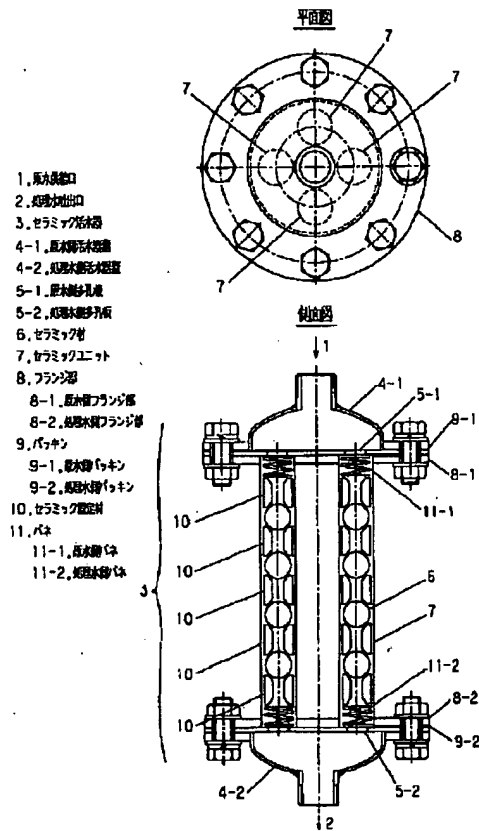
【図2】

- 1 原水
2 処理水
3 セラミック浄水器
4-1 原水側蓋

4

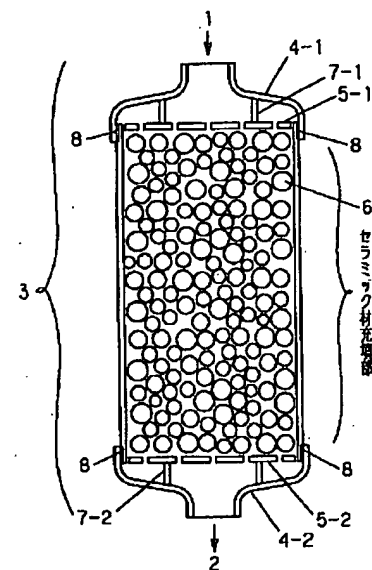
- 4-2 処理水側蓋
5-1 原水側多孔板
5-2 処理水側多孔板
6 セラミック塊
7-1 原水側抑えバネ
7-2 処理水側抑えバネ
8 ネジ止め部

【図1】



【図2】

従来のセラミック浄水器



1. 原水
2. 処理水
3. セラミック浄水器
4-1. 原水側蓋 4-2. 処理水側蓋
5-1. 原水側多孔板 5-2. 処理水側多孔板
6. セラミック塊
7-1. 原水側抑えバネ 7-2. 処理水側抑えバネ
8. ネジ止め部